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(54) Title: CONTROL UNIT FOR CONTROLLING THE DELIVERY OF A COMBUSTIBLE GAS IN VALVE UNITS, PARTICULARLY FOR WATER HEATING APPARATUSES, AND VALVE UNIT INCLUDING SAID UNIT

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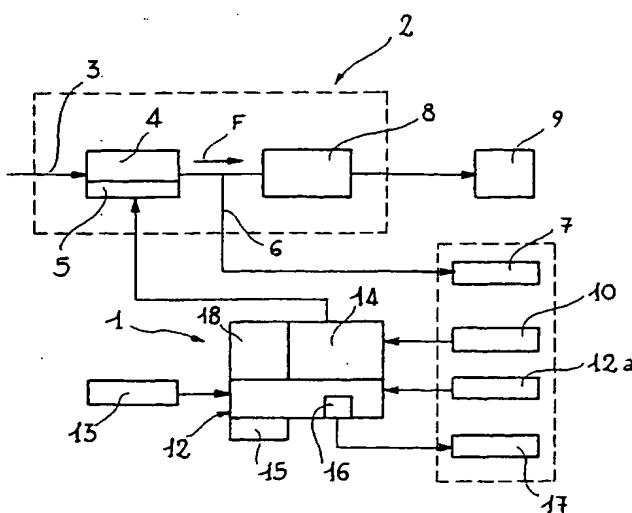
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(57) Abstract: A control unit is described for controlling the delivery of a combustible gas in a valve unit (2) of the type comprising valve means (4) for shutting off the gas which are subject to the operational control of a magnetic safety unit (5) with thermocouple (10). The control unit comprises an electronic circuit assembly (12) arranged for connection to sensor means (13) adapted to detect the presence of inflammable vapours or other dangerous substances, the circuit assembly (12) being supplied by electric power generating means. The circuit assembly (12) comprises an electronic type switch (14) acting on the electric circuit (11) for supplying the magnetic unit (5) so as to interrupt the circuit and operate the valve means (4) for closure in the presence of inflammable vapours detected by the sensor means (13).